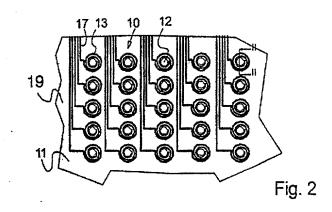
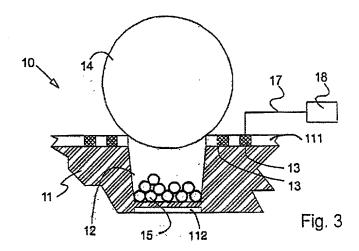
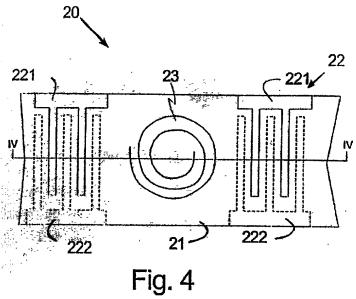


Fig. 1

.<u>.</u> :







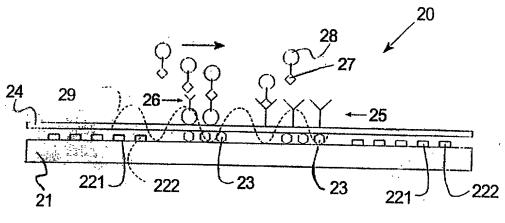
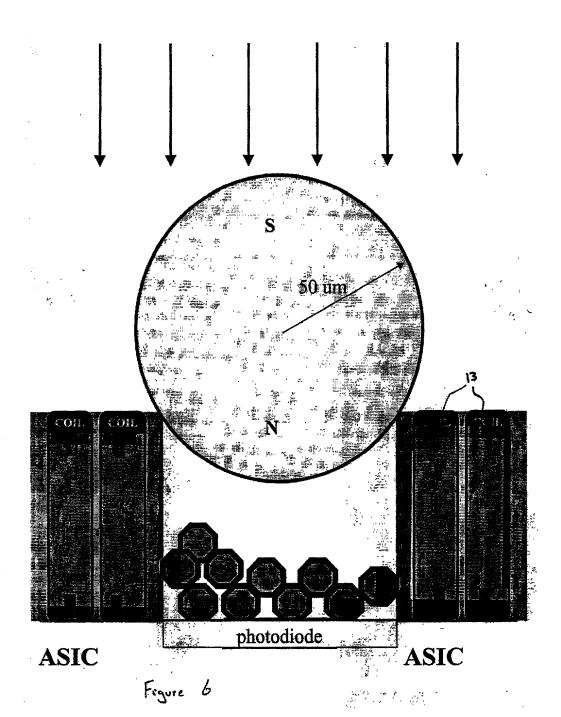
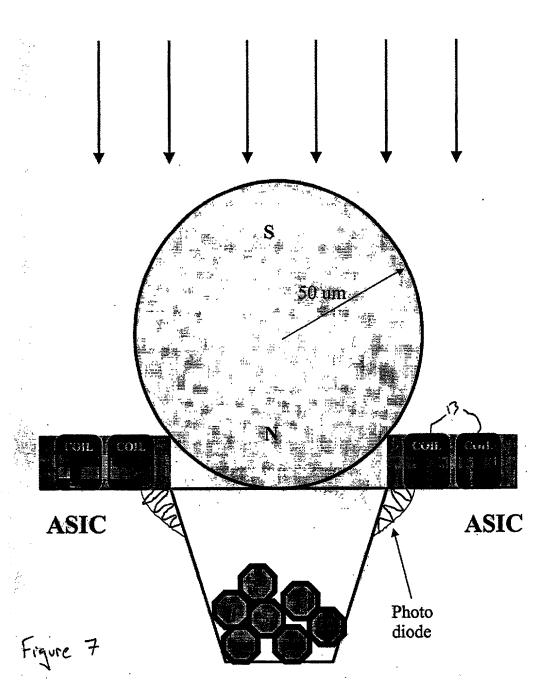


Fig. 5





BEAD IN BEAD-HOLDER POCKET ON NON-SENSOR CHIP

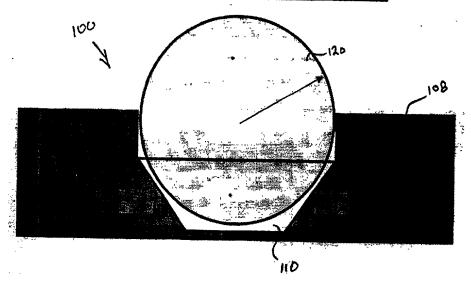
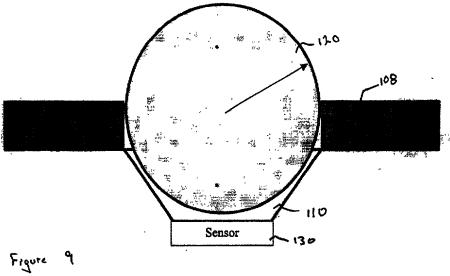
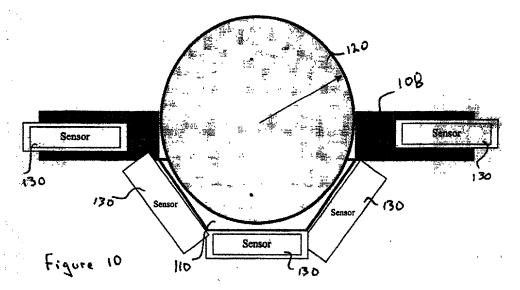


Figure 8

Particle in pocket, in place over sensor



A few examples of some other sensor locations



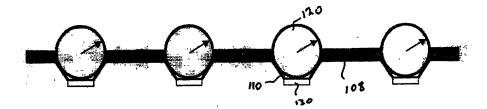
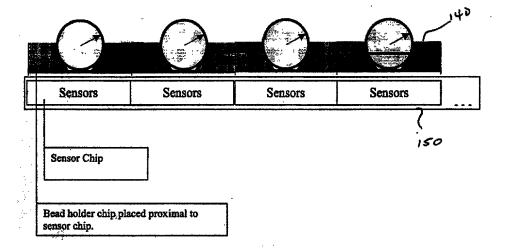


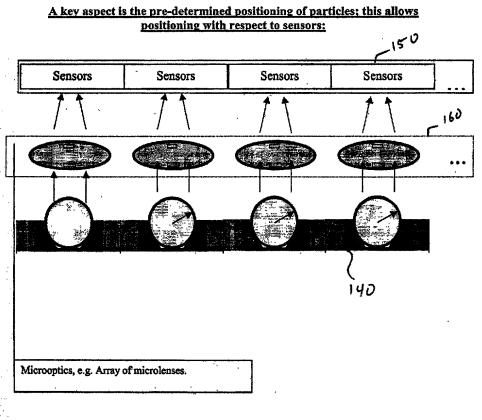
Figure 11

SEPARATELY MANUFACTURED/HANDLEABLE POCKET CHIP AND SENSOR CHIP



Example Sensors: a commercially available CMOS photodiode array

Figure 12



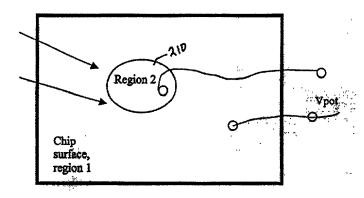


Figure 14. Top view of a silicon surface with a doped region (region 2).
The electric circuit is completed by Vpot. using two leads contacting each region.

